



www.VirginiaDOT.org/ElmAvenue
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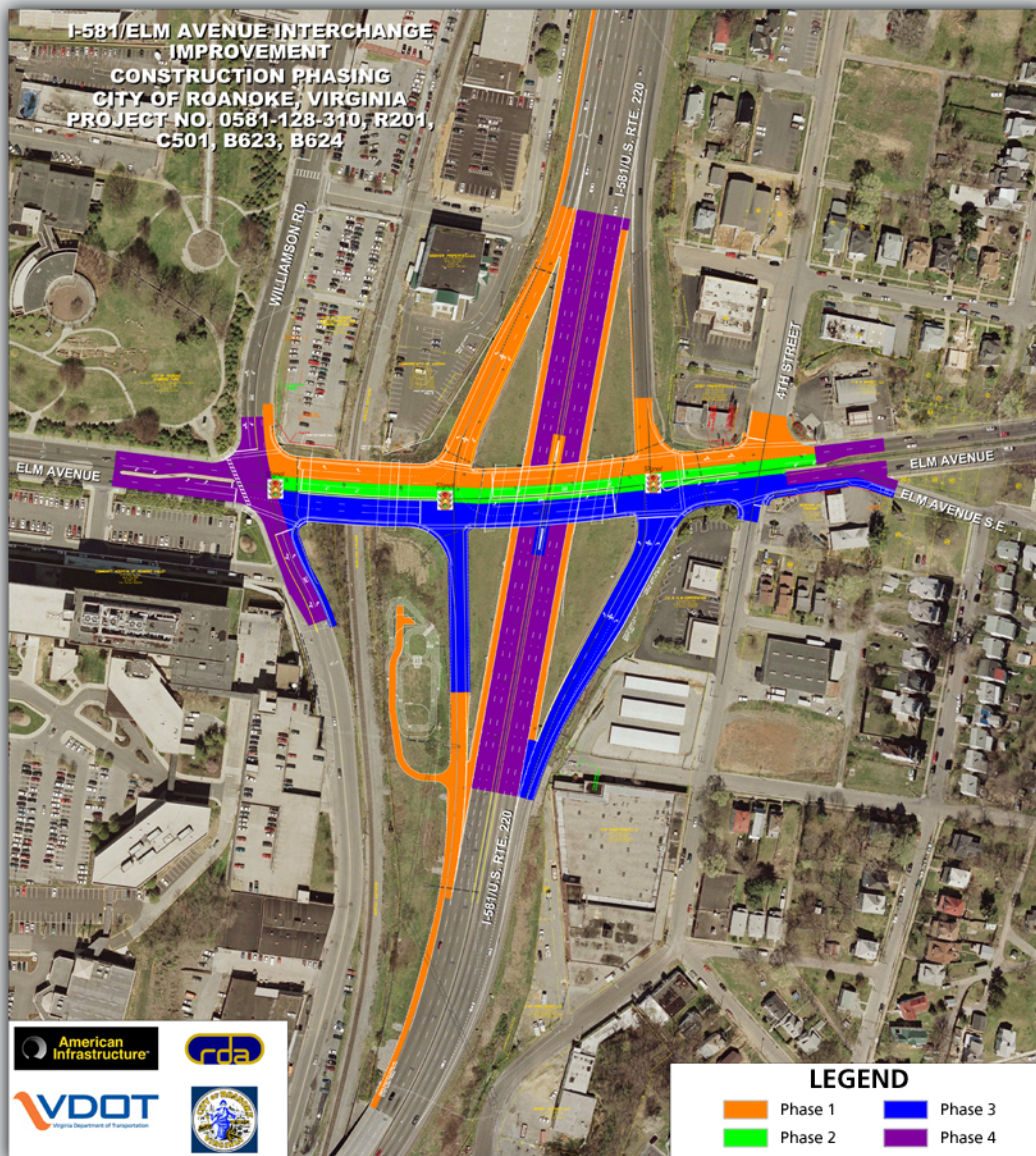
I-581 Elm Avenue Interchange Improvements City of Roanoke

Estimated Start Date: Spring 2013
Estimated Completion: Summer 2015
Cost: \$20.4 million

PROJECT DESCRIPTION

The I-581/Elm Avenue Interchange Improvement project will include the widening of both the northbound and southbound off-ramps from I-581/US Route 220, extending the left turn lanes in each direction on Elm Avenue and the widening of Elm Avenue between Williamson Road and 4th Street.

PROJECT GRAPHIC



POTENTIAL TRAFFIC IMPACT DURING CONSTRUCTION

Elm Avenue

- Between 6 a.m. and 8 p.m., Monday through Friday, two lanes of traffic will remain open on Elm Avenue in each direction.
- Between 8 p.m. and 6 a.m., Monday through Friday, Elm Avenue may be reduced to one lane in each direction.
- Traffic and turn lanes may be shifted during construction.
- Two lanes of traffic in each direction will remain open during special events including Festival in the Park, St. Patrick's Day Parade, Blue Ridge Marathon, Fourth of July weekend, and City of Roanoke Christmas Parade.

I-581/US Route 220

- Lanes on the ramps may be closed from 8 p.m. to 6 a.m., Monday through Saturday.
- Traffic lanes and turn lanes, including on- and off-ramps, may be shifted during construction.
- At least two lanes of traffic in each direction will remain open, with the following exceptions:
 - Between 10 p.m. and 6 a.m., Monday through Saturday, traffic may be reduced to one lane in each direction.
 - Between midnight and 4 a.m., Monday through Friday, I-581/US Route 220 may be closed. Appropriate measures will be put in place to ensure traffic continues moving.

Pedestrian Traffic

- Pedestrian access will be maintained in the project area during construction. When sidewalks and crossings need to be closed alternate routes will be provided.

PHASE 1 (approximately 11 months)

- Removal of existing signage and installation of new, temporary signage.
- The northern portion of both bridges (spanning the Norfolk Southern railroad tracks and I-581/US Route 220) will be constructed and Elm Avenue will be widened to the north.
- The southbound off-ramp will be widened.
- A stormwater management pond will be constructed west of the southbound on-ramp.
- This phase also includes construction of bridge piers, drainage structures, curb and gutter, guardrail and concrete barriers, as well as retaining walls at the southbound off-ramp.

PHASE 2 (approximately 6 months)

- The center portion of both bridges will be constructed.

PHASE 3 (approximately 9 months)

- The southern portion of both bridges (spanning the Norfolk Southern railroad tracks and I-581/US Route 220) will be constructed and Elm Avenue will be widened to the south.
- The northbound off-ramp will be widened.
- This phase also includes the construction of retaining walls at the northbound off-ramp and the installation of a new drainage system.

PHASE 4 (approximately 1 month)

- Raised medians, curb and gutter, sidewalks and curb ramps will be constructed.
- The median barrier will be constructed on I-581/US Route 220 at the bridge pier.
- Milling and paving will be performed on Elm Avenue, Williamson Road, 4th Street, Elm Avenue SE, I-581/US Route 220 and the northbound and southbound on- and off-ramps.
- Permanent pavement markings and signals will be installed.